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Toshiba recommends Windows 8 Professional.

# Satellite Pro S850-088

Model: [i]
Satellite Pro S850 PSSESC- 08800S

- 3rd Generation Intel® Core™ i3-3120M processor – 2.50GHz, Genuine Windows® 8 Professional, 15.6" HD TFT, 4GB DDR3, 320GB FDE HDD S-ATA, Intel HD 3000 Graphics, DVD Super-Multi Double Layer, Modem, LAN, 802.11agn Wireless, Bluetooth

## Processor

3rd Generation Intel® Core™ i3-3120M processor (2.50GHz, 3MB Intel® Smart Cache) with Intel® Hyper- Threading Technology and Intel® Virtualization Technology.

## Operating System

Windows® 8 Professional

## Key Features

Toshiba Self Encrypting Hard Drive Technology
TPM/Fingerprint Reader
Full sized spill resistant keyboard with Numeric keypad
Toshiba EasyGuard feature set
Mini Display Port Connector Serial
Output
Modem Connector
Glare Free Matte Screen

## Memory

**Standard Memory:** 4GB DDR3 (1600MHz)
Slot1: 4GB DDR3 (1600MHz)
Slot2: None
**Maximum Memory:** 8GB DDR3
**Expansion Modules:** 1GB, 2GB, or 4GB DDR3

## Hard Disk Drive

320GB (7200 RPM); Full Disc Encryption, Serial-ATA hard disk drive

## Optical Drive

DVD SuperMulti (+/-R double layer) Drive
Maximum speed and compatibility:
Read: CD-ROM (24x), DVD-ROM (8x)
Write: CD-R (24x), CD-RW (4x), DVD-R (Single Layer, (8x), DVD-R (Double Layer, (6x), DVD-RW (6x), DVD+R (Single Layer, (8x), DVD+R (Double Layer, (6x), DVD+RW (8x), DVD-RAM (5x)

## Display System

**Type:** 16:9 TFT Active Matrix colour LCD display with LED backlight
**Size (diagonal):** 15.6" HD
**Native LCD Panel Resolution:** 1366x768x16.7 million colours
**External Support and Max. Colour Support (dependant on CRT):** Up to 2,048 x 1536 x 16.7 million colours

## Graphics Controller

Intel® HD 4000 graphics
up to 1423MB (32bit OS) or up to 1696MB (64bit OS) dynamically allocated shared graphics memory with 4GB of system memory.

## Sound System

Realtek ALC268-GR Software Sound, High Definition Audio Link, Built-in stereo speakers

## Communication

V.92 56K Data/Fax Modem
10/100/1000Mbps Integrated Ethernet LAN (Wake on Lan)
Intel 802.11 a/g/n Wireless LAN
Integrated Web Camera (w/ Built-in Mic)
Bluetooth v4.0

## Expansion

1 Express Card Slot

**Ports:** Bridge Media adaptor (Secure Digital, Memory Stick™, Memory Stick PRO™, MultiMedia Card, xD Picture Card), RGB, 2 x USB2.0, 1 x USB3.0, 1 x eSATA/USB2.0, RJ45 (LAN), RJ11 (Modem), Headphone, Microphone, Mini Display Port, Serial Port
**Supported via Dynadock U3.0:** DVI-I x1, Audio In/Out, 2X USB 2.0, 4X USB 3.0, HDMI output

## Keyboard

Canadian Bilingual (English/French) Keyboard
Full sized 102 keys with 15 function keys
Spill Resistant keyboard
**Color:** (Black)

## Pointing Device

Touch PAD with Gesture Control

## Additional Software

Toshiba ConfigFree™
Adobe Acrobat Reader
TOSHIBA Disc Creator
Norton Internet Security™ – trial
Microsoft® Office Trail

## Physical Dimensions

**Dimensions:** (WxDxH) 374 x 250 x 33.4/37.6 mm
**Weight:** 2.80kg (6.17 lbs)
**Color**: Black

## AC Adapter

75W external Universal AC adapter input voltage (100 – 240V 50/60Hz Frequency (Universal), output voltage (15V, 5A)
**Dimensions:** (WxHxD) 127.0 x 30.5 x 51.0 mm
**Weight:** 355g

## Battery

**Battery Type:** Removable, Rechargeable 6-cell Lithium Ion (Li-ion) 10.8V x 55 Wh capacity
**Battery life:** up to 6 hours
**Dimensions:** (WxHxD) 206.8 x 45.1 x 20.0 mm

## BIOS

TSETUP support, ACPI support, PnP support, VESA support, SM BIOS support, PCI BIOS Support, Computrace BIOS Support

## TOSHIBA EasyGuard™

**Secure**
**Toshiba Self Encrypting HDD Technology**
Toshiba Multiple Level Password Utilities
Toshiba Reinforced Security Cable Lock Slot
Execute Disable Bit (XD-Bit)
Trusted Platform Module (TPM v1.2)
Fingerprint Reader (includes software for password and identity management)
BIOS Computrace™ Support

**Protect**
**Halt Tested Design**
Toshiba Spill-resistant Keyboard
Toshiba Shock Absorbing Design
Toshiba Hard Disk Drive Protection
HDD Shock Absorber
HDD Impact Sensor
Toshiba PC Diagnostic Tool
Toshiba PC Health Monitor

**Connect**
Toshiba ConfigFree™ Toshiba Diversity Antenna Toshiba Bluetooth® Stack Wireless Communication On/Off

**Optimize**
Toshiba Device Access Control
Toshiba Presentation Button
Toshiba Zooming Utility
Toshiba Power Saver Utility
Toshiba Eco Utility
Toshiba Assist

*only on selected models

## Environmental Specifications

**Temperature:** Operating 5°to 35°C (41° to 95°F);
Non Operating –20° to 65°C (-4° to 149°F)
**Thermal Gradient:** Operating 15° C per hr. max;
Non Operating 20° C per hr. max
**Relative Humidity:** Operating 20% to 80% non-condensing;
Non-Operating: 10% to 90% non-condensing
**Altitude (relative to sea level):** Operating: -60 to 3,000m.;
Non-Operating: -60 to 10,000m.
**Shock:** Operating: 10G; Non-Operating 60G
**Vibration:** Operating 0.5G, 0.25G; Non-Operating: 1G

## Environmental Credentials

Energy Star 5.0
RoHS
Epeat Gold

## Canada and International Limited Warranty

This Satellite Pro notebook comes with a one (1) year parts and labour Limited International Warranty. Note the original battery is warranted for one year from date of purchase. Pre-installed software is excluded form TCL standard limited warranty. For complete details on this warranty program and other Warranty Programs such as On-site and Next Business Day Service visit www.toshiba.ca/warranty

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## Accessories

PA3840C-1ETB Toshiba Topload Case – up to 16"
PA3715C-1AC3 75W Universal AC Adaptor
PA3905U-1BRS 6 Cell Battery Pack
PA3844C-1ERB 2.4Ghz Wireless Optical Mouse
PA3916C-1PRP Hi-Speed Port Replicator 2
PA3927C-1PRP Dynadock U3.0 USB Docking Station
KTT-S3C/4G 4GB 1600MHz RAM
KTT-S3C/8G 8GB 1600MHz RAM
PA3923C-2LC3 Toshiba 14" USB-powered Mobile Monitor
ACC254 15.6" Widescreen Laptop Privacy Screen (16:9)

## Part Number/UPC code

PSSESC-08800S / 6-23506-03581-1

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**Central Processing Unit ("CPU") Performance Disclaimer:** CPU performance in your computer product may vary from specifications under the following conditions:

- use of certain external peripheral products
- use of battery power instead of AC power
- use of certain multimedia games or videos with special effects
- use of standard telephone lines or low speed network connections
- use of complex modeling software, such as high end computer aided design applications
- use of computer in areas with low air pressure (high altitude >1,000 meters or >3,280 feet above sea level)
- use of computer at temperatures outside the range of 5°C to 35°C (41°F to 95°F) or > 25°C (77°F) at high altitude (all temperature references are approximate).

CPU performance may also vary from specifications due to design configuration. Under some conditions, your computer product may automatically shutdown. This is a normal protective feature designed to reduce the risk of lost data or damage to the product when used outside recommended conditions. To avoid risk of lost data, always make back-up copies of data by periodically storing it on an external storage medium. For optimum performance, use your computer product only under recommended conditions. Read additional restrictions under "Environmental Conditions" in your product Resource Guide. Contact Toshiba Technical Support for more information.

**Hard Disk Drive Disclaimer:** 1 Gigabyte (GB) means 1,000,000,000 bytes using powers of 10. The computer operating system, however, reports storage capacity using powers of 2 for the definition of 1 GB = 1,073,741,824 bytes, and therefore shows less storage capacity. Available storage capacity will also be less if the product includes pre-installed operating system and/or application software. Actual formatted capacity may vary.

**GPU**: Graphics processor unit ("GPU") performance may vary depending on product model, design configuration, applications, power management settings and features utilized. GPU performance is only optimized when operating in AC power mode and may decrease considerably when operating in battery power mode.

**Memory**: Part of the main system memory may be used by the graphics system for graphics performance and therefore reduce the amount of main system memory available for other computing activities. The amount of main system memory allocated to support graphics may vary depending on the graphics system, applications utilized, system memory size and other factors. For PC's configured with 4 GB of system memory, the full system memory space for computing activities will be considerably less and will vary by model and system configuration.

**TFT Display Disclaimer:** Small bright dots may appear on your TFT display when you turn on your PC. Your display contains an extremely large number of thin-film transistors (TFT) and is manufactured using high-precision technology. Any small bright dots that may appear on your display are an intrinsic characteristic of the TFT manufacturing technology.

**LCD**: Over a period of time, and depending on the usage of the computer, the brightness of the LCD screen will deteriorate. This is an intrinsic characteristic of LCD technology. Maximum brightness is only available when operating in AC power mode. Screen will dim when the computer is operated on battery power and you may not be able to increase the brightness of the screen.

**Weight:** Weight may vary depending on actual configuration.

**Battery:** Battery life may vary considerably depending on product model, configuration, applications, power management settings and features utilized, as well as the natural performance variations produced by the design of individual components. Published battery life numbers are achieved on select models and configurations tested by Toshiba at the time of publication. Recharge time varies depending on usage. Battery may not charge while computer is consuming full power. After a period of time, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries. To purchase a new battery pack, see the accessories information that shipped with your computer or visit the Toshiba of Canada website at toshiba.ca/accessories

**Software:** The included additional software is subject to change without notice. No substitution of software permitted. For further information please visit toshiba.ca/support

**Subject to Change:**
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11/15/2012 v.1